1,5-ANHYDRO-D-GLUCITOL
A NOVEL MARKER FOR DIABETES MELLITUS

Essay

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Master Degree of
Clinical and Chemical Pathology

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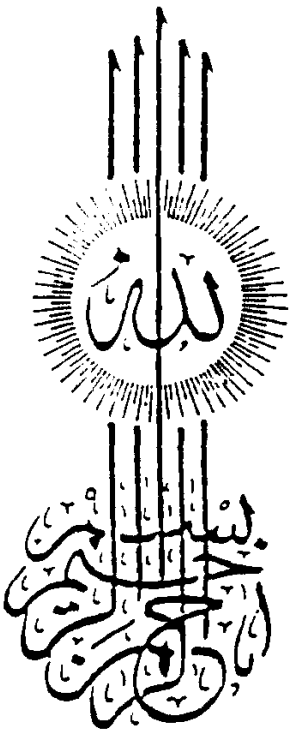

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LIST OF ABBREVIATIONS

2,3 DPG	2,3 diphosphoglycerate
2,2 azino bis	3-ethylbenzthiazoline-6-sulfonic acid
4 AAP	4-amino antipyrine
B M I	Body mass index
CAPD	Continuous ambulatory peritoneal dialysis
CV	Curriculum vitae
DM	Diabetes mellitus
ESRD	End stage renal disease
G-6-P	Glucose-6-phosphate
GC/MS	Gas chromatography /Mass spectrometry
GDM	Gestational diabetes mellitus
GK	Glucokinase
GLC	Gas liquid chromatography
H_2O_2	Hydrogen peroxide
Hb	Hemoglobin
HbA_{1c}	Glycated hemoglobin
HLA	Human leucocyte antigens
HPLC	High performance liquid chromatography
HRP	Horseradish peroxidase
HTIB	3-hydroxy-2,4,6-triiodobenzoic acid
ICA	Islet cell antibodies
IDDM	Insulin dependent diabetes mellitus
IGT	Impaired glucose tolerance
1,5-AG	1,5-Anhydro-D-glucitol
LC/MS	Liquid chromatography / Mass spectrometry
NBT	Nitroblue tetrazolium
NDDG	National diabetes data group

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NIDDM	Non-insulin dependent diabetes mellitus
OGTT	Oral glucose tolerance test
PEP	Phosphoenol pyruvate
PK	Pyruvate kinase
Pot-AGT	Potential abnormality of glucose tolerance
Prev-AGT	Previous abnormality of glucose tolerance
PROD	Pyranose oxidase
RBC	Red blood cell
RIA	Radioimmunoassay
SD	Standard deviation
WHO	World health organization

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